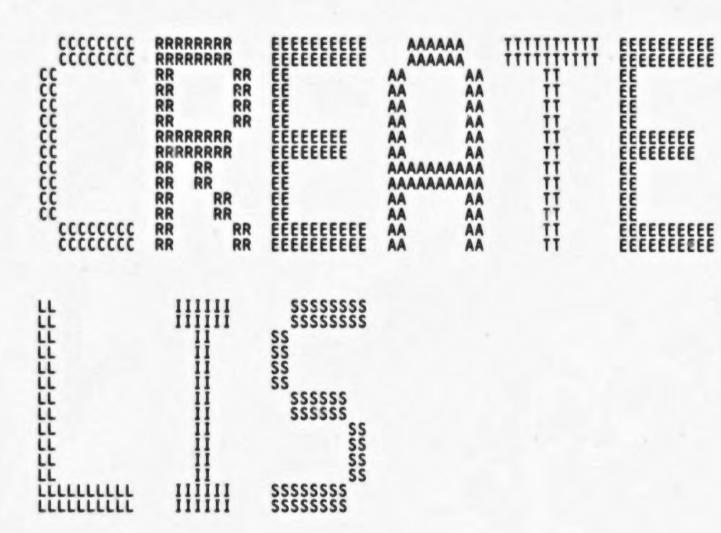
FFFFFFFFFFFFFF	111	111	XXX	XXX
FFFFFFFFFFFFFFFFFF	111111	111111	XXX	XXX
FFF	111111	111111	XXX	XXX
FFF	111111	111111	ŶŶŶ	âââ
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFFFFFFF FFF	1111	111		XX
FFFFFFFFFFF	1111	111		XX
FFF	111	111	XXX	XX
FFF	111	111	âââ	XXX
FFF	iii	111	âââ	ŶŶŶ
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	1111111111	1111111111	XXX	XXX
FFF	1111111111	1111111111	XXX	XXX
111	1111111111	111111111	XXX	XXX

_\$25

Symbolio Collino Colli

MAKE MAP MAP

MAP MARI MARI MARI MARI MARI



CREATE V04-001		M 15 16-Sep-1984 00:06:06 VAX-11 Bliss-32 V4.0-742 Page 2 14-Sep-1984 12:30:13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2 (1)
58 59 60	0058 1 ! 0059 1 ! 0060 1 !	Defer building of ACL's until after initial extend takes place so that the map pointer for a contiguous file is in the primary header.
62 63 64 65	0062 1 0063 1 0064 1	V03-041 CDS0004 Christian D. Saether 30-Aug-1984 Reread newly created header after ENTER because it may have been flushed from the cache by a multi header directory file.
67 68	0066 1 0067 1 0068 1	V03-040 CDS0013 Christian D. Saether 14-Aug-1984 Modify creation of extension fcb chain, if necessary.
70 71	0070 1 0071 1	V03-039 LMP0298 L. Mark Pilant, 7-Aug-1984 16:22 Add the necessary protection checks for create-if.
73 74 75	0072 1 0073 1 0074 1 0075 1	V03-038 ACG0438 Andrew C. Goldstein, 1-Aug-1984 21:23 Fix link truncation error; release any existing serialization lock before starting create
556666666667777777777888888888888888888	0060 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	V03-037 LMP0288 L. Mark Pilant, 29-Jul-1984 13:56 Make sure that the ACL queue head of the new file is properly initialized when copying the ACL from a prior version (this bug introcuded in LMP0284.)
82 83	0082 1 0083 1 0084 1	V03-036 LMP0284 L. Mark Pilant, 26-Jul-1984 12:14 Fix call to ACL_INIT_QUEUE, since it was moved to ACLSUBR.
85 86	0085 1 0086 1	V03-035 ACG0440 Andrew C. Goldstein, 25-Jul-1984 14:27 Move setup of default access ACE to after attributes are written
88 89	0085 1 1 0086 1 1 0087 1 1 0088 1 0089 1	V03-034 LMP0275 L. Mark Pilant. 23-Jul-1984 14:40 Don't try to propagate an ACL if there isn't one.
91	0090 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	V03-033 ACG0437 Andrew C. Goldstein, 13-Jul-1984 15:27 Corrections to alternate file ownership: fix interface to CHANGE_OWNER so that next version propagation works and so that space charging is done correctly. Also add an ACL entry for the creator to guarantee access.
97 98 99 100	0097 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	V03-032 CDS0012 Christian D. Saether 29-Jun-1984 Add another call to read_header after copying info in propagate_attr because primary header may have been flushed from the cache.
102	0101 1 1 0102 1 0103 1	V03-031 CDS0011 Christian D. Saether 22-Apr-1984 Modify access arbitration.
105 106 107	0104 1 0105 1 0106 1 0107 1	V03-030 CDS0010 Christian D. Saether 11-Apr-1984 Remove call to allocation_unlock after create_header call because that routine does it now.
92 93 94 95 96 97 98 100 101 102 103 104 107 108 109 110 111 112 113	0108 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	V03-029 (DS0009 Christian D. Saether 1-Apr-1984 Call ALLOCATION_UNLOCK prior to deleting previous file version in supersede operations to eliminate possible deadlock condition if the previous version is being extended at the same time. Also call ALLOCATION_UNLOCK after an ENTER because it

CREATE V04-001		N 15 16-Sep-1984 00:06:06 VAX-11 Bliss-32 V4.0-742 Page 3 14-Sep-1984 12:30:13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2 (1)
: 115 : 116 : 117	0115 1 1 0116 1 0117 1	may have extended the directory and thus be holding the allocation lock, also causing potential deadlock further on in a number of ways.
118 119 120 121 121	0118 1 0119 1 0120 1 0121 1	/03-028 ACG0412 Andrew C. Goldstein, 22-Mar-1984 18:19 Implement agent access mode support; add access mode to check protection call; make attribute propagation to self a NOP (when a file is entered as a new version of itself).
124 125 126	0123 0124 0125 1 0126 1	/03-027 ACG0408 Andrew C. Goldstein, 20-Mar-1984 17:54 Make APPLY_RVN and DEFAULT_RVN macros; Make rest of global storage based.
128	0128 1 0129 1	/03-026 ACG0405 Andrew C. Goldstein, 16-Mar-1984 15:12 Fix handling of file headers in CHANGE_OWNER
117 118 119 120 1223 1224 1225 1226 1228 1230 1331 1337 1337 1337 1337 1337 1337 13	0130 1 0131 1 0132 1 0133 1 0134 1	/03-025 CDS0008 Christian D. Saether 9-Mar-1984 Remember CURR_LCKINDX from primary context and set it in secondary after OPEN_FILE so that copy_info has the right lock basis when writing acl's to the primary file's header.
136 137 138 139 140	0136 1 0137 1 0138 1 0139 1 0140 1	/03-024 LMP0203 L. Mark Pilant, 29-Feb-1984 10:34 Add support for FIB\$V_PROPAGATE. This allow the propagation rules to apply on an enter operation as well as a create operation.
142 143 144 145 146 147 148		/03-023 LMP0189 L. Mark Pilant, 6-Feb-1984 13:54 Add support for FIB\$V_DIRACL. This allows the ACL of a directory file parent to be copied directly to the children (with the exception of NOPROPAGATE ACEs).
147	0147 1 1	/03-022 LMP0188 L. Mark Pilant, 3-Feb-1984 16:08 Add support for a classification block.
149 150 151	0149 1 1 0150 1 1 0151 1	/03-021 CDS0007 Christian D. Saether 17-Jan-1984 Modify interface to DEFAULT_RVN.
153	0152 1 1 0153 1 1 0154 1 1	03-020 CDS0006 Christian D. Saether 27-Dec-1983 Use BIND_COMMON macro.
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	0155 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	/03-019 LMP0174 L. Mark Pilant, 1-Dec-1983 14:01 Change routine name for default ACE propagation. Also, Add a call to a routine to do general propagation.
160	0160 1 0161 1	/03-018 CDS0005 Christian D. Saether 14-Sep-1983 Modify interface to SERIAL_FILE routine.
163	0162 1 0163 1 0164 1	/03-017 ACG56916 Andrew C. Goldstein, 21-Jun-1983 18:25 Use central routine for date management
167	0167 1 ! 0168 1 !	/03-016 LMP0156 L. Mark Pilant, 19-Sep-1983 15:43 Files not entered into a directory now get the process default protection.
169 170 171	0169 1 1 0170 1 1 0171 1 1	/03-015 LMP0149 L. Mark Pilant, 13-Sep-1983 11:25 Correct a logic problem that caused problems during the

VAX-11 Bliss-32 V4.0-742 Pa DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2

CREATE V04-001	C 16 16-Sep-1984 00:06:06 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:30:13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B3	Page 5
229 230 231	0229 1 1 0230 1 V02-019 ACG0230 Andrew C. Goldstein, 23-Dec-1981 22:59 0231 1 Add expiration date support	
233 234	0233 1 V02-018 ACG0247 Andrew C. Goldstein, 23-Dec-1981 20:44 0234 1 Set revision date to creation date	
236 237	0236 1 V02-017 ACG0245 Andrew C. Goldstein, 23-Dec-1981 20:40 0237 1 Don't write back link if file is a spool file	
238 239 240	0238 1 0239 1 V02-016 LMP0003 L. Mark Pilant, 8-Dec-1981 10:20 0240 1 Added byte limit quota check on window creation.	
241 242 243	0241 1 0242 1 V02-015 ACG0238 Andrew C. Goldstein, 11-Dec-1981 23:30 0243 1 Allow creation of dummy directory entries	
244 245 246	0244 1 : 0245 1 : V02-014 ACG0208 Andrew C. Goldstein, 17-Nov-1981 15:16 0246 1 : Add segmented directory record support	
247 248 249 250 251	0247 1 : 0248 1 : V02-013 ACG0167 Andrew C. Goldstein, 16-Apr-1980 19:25 0249 1 : Previous revision history moved to F118.REV 0250 1 :**	
252 253 254 255	0252 1 0253 1 LIBRARY 'SYS\$LIBRARY:LIB.L32'; 0254 1 REQUIRE 'SRC\$:FCPDEF.B32'; 1245 1 1246 1	
2351234567890123456789012345678901 222222222222222222222222222222222222	1246 1 1247 1 FORWARD ROUTINE 1248 1 CREATE : L_NORM, ! CREATE function routine 1249 1 PROPAGATE_ATTR : L_NORM, ! Propagate file attributes 1250 1 PROPAGATE_HANDLER, ! condition handler for above 1251 1 COPY_INFO : L_NORM; ! Copy info from old to new file	

```
CREATE
VO4-001
                                                                                                                       16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                                                                   VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
     GLOBAL ROUTINE CREATE : L_NORM =
                              1253
1253
1255
1255
1255
1266
1266
1277
1277
1277
1277
1277
                                                FUNCTIONAL DESCRIPTION:
                                                           This routine processes the CREATE function. It creates a file with the attributes requested, enters it in a directory if desired, and accesses the file if requested.
                                                CALLING SEQUENCE:
                                                           CREATE ()
                                                INPUT PARAMETERS:
                                                           NONE
                                                IMPLICIT INPUTS:
                                                           CURRENT_VCB: VCB of volume IO_PACKET: packet of this I/O request
                                                OUTPUT PARAMETERS:
                                                           NONE
                                                IMPLICIT OUTPUTS:
                                                           PRIMARY_FCB: FCB of file if accessed CURRENT_WINDOW: window of file if accessed
                                                           USER_STATUS: 1/0 status block of user
                                                ROUTINE VALUE:
                                                           1 if successful
0 if error
                                                SIDE EFFECTS:
                                                           File created, blocks allocated, directory modified, file accessed, etc.
                                            !--
                              1288
1289
1290
1291
1292
1293
1294
1295
1296
1297
1298
1300
1301
1302
                                            BEGIN
                                            LITERAL
                                                           ACE_LENGTH
                                                                                         = $BYTEOFFSET (ACE$L_KEY) + 4;
                                            LOCAL
                                                                                        general return status
miscellaneous constant
flag indicating new FCB created
REF BBLOCK. address of I/O packet
REF BBLOCKVECTOR [,ABD$C_LENGTH],
buffer descriptors
REF BBLOCK, file identification block
                                                           STATUS,
                                                           FCB_CREATED,
                                                           PACRET
                                                           ABD
                                                                                       : VECTOR [FILENAME_LENGTH+6, BYTE],
: BBLOCK [FID$C_LENGTH], ! header back link
: REF BBLOCK, ! pointer to file header ident are
: REF BBLOCK, ! requestor PCB address | requestor PCB
     312
313
314
315
316
317
318
319
                                                           RESULT_LENGTH, RESULT
                              1304
1305
                                                            LINK_DID
                                                            IDENT_AREA
                              1306
                                                            PCB
                                                            ARB
```

```
E 16
16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
CREATE
VO4-001
                                                                                                                                                                                          VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [F11X.SRC]CREATE.B32;2
                                                                    MAP_AREA
      file header map area
FCB of index file
                                                                                                          REF
                                                                                                                 BBLOCK.
                                                                                                      :
                                  1311
1312
1313
1314
1315
1316
1317
                                                                   FCB
                                                                                                          REF BBLOCK,
                                                                                                                                            FCB address
                                                                                                      :
                                                                                                                                           UCB pointer for RVN 1
VCB of root volume
address of file header
                                                                                                          REF BBLOCK,
                                                                                                      .
                                                                    PRIMARY_VCB
                                                                                                          REF BBLOCK.
                                                                    HEADER
                                                                                                          REF BBLOCK,
                                                                                                      :
                                                                   NEW_HEADER
ACL_CONTEXT,
ACE
                                                                                                                                            Address of extension header
                                                                                                         REF BBLOCK,
                                                                                                     ! dummy ACL context longword
: BBLOCK [ACE_LENGTH], ! buffer for ACE for file creator
: BLOCK [1]; ! function code qualifiers
                                  1318
                                                                    FUNCTION
                                                   EXTERNAL
                                  1320
13223
13223
13224
133226
13323
13333
13333
13333
13337
                                                                   ACP$GB_WRITBACK : BITVECTOR ADDRESSING_MODE (ABSOLUTE),

SCH$GL_PCBVEC : REF VECTOR ADDRESSING_MODE (ABSOLUTE), ! PCB vector
EXE$GL_DYNAMIC_FLAGS : ADDRESSING_MODE (ABSOLUTE);
                                                                                                                                        ! Dynamic SYSGEN flags
                                                   EXTERNAL LITERAL
                                                                   EXESV_CLASS_PROT;
                                                                                                                                      ! Set if doing non-discretionary checks
                                                   BIND_COMMON;
                                                            ROUTINE

ACL_DELETEACL : ADDRESS.

UPDATE FCB : L_NORM,

REBLD_PRIM_FCB : L_NORM NOVALUE,

BUILD_EXT_FCBS : L_NORM NOVALUE,

RELEASE_SERIAL_LOCK : L_NORM,

ALLOCATION_UNLOCK : L_NORM,

ARBITRATE_ACCESS : L_JSB_2ARGS,

CONV_ACCLOCK : L_NORM,

- L_NORM,

- L_NORM,
                                                   EXTERNAL ROUTINE
                                                                                                     : ADDRESSING_MODE (GENERAL),! delete acls
: L_NORM, ! rebuild fcb from header
: L_NORM NOVALUE, ! rebuild primary fcb from header
: L_NORM NOVALUE, ! build extension fcb chain
OCK: L_NORM, ! release file synchronization lock
CK: L_NORM, ! synchronize allocation/deallocation
S: L_JSB_ZARGS, ! establish file access.
                                  1338
                                                                   CONV ACCLOCK
SERIAL FILE
GET_FIB
GET_LOC_ATTR
GET_LOC
SWITCH_VOLUME
SELECT_VOLUME
                                  1340
                                                                                                                                            convert/dequeue access lock. interlock file processing.
                                                                                                                                           get FIB for operation
get placement data form attribute list
get placament data
                                                                                                          L NORM.
                                                                                                          L_NORM.
                                                                                                                                           switch context to specified volume
find volume in volume set for create
check file protection
charge blocks to user's disk quota
create a file ID and header
compute header checksum
                                                                                                          L NORM.
                                   346
347
348
349
                                                                                                          L NORM.
                                                                    CHECK PROTECT
                                                                                                          L NORM.
                                                                   CHARGE QUOTA
CREATE HEADER
                                                                                                            NORM,
                                                                                                          L NORM.
                                    350
                                                                    CHECKSOM
                                                                                                          L NORM,
                                                                                                                                            mark buffer for write-back
(GENERAL), ! Initialize ACL queue
                                  1351
1352
1353
1354
1355
1356
1357
                                                                   MARK DIRTY
ACL_INIT_QUEUE
                                                                                                             NORM
                                                                                                          ADDRESSING_MODE ADDRESSING_MODE
                                                                   ACL ADDENTRY
ACL BUILDACL
                                                                                                                                           (GENERAL). ! add entry to ACL (GENERAL) L NORM, ! build ACL into file headers read file header enter file in directory
                                                                                                                                            (GENERAL).
                                                                                                          ADDRESSING_MODE
                                                                    READ HEADER
                                                                                                          L_NORM,
                                                                    ENTER
                                                                                                          L_NORM.
                                                                                                                                            copy file name to result string set file revision and exp dates
                                                                    COPY NAME
                                                                                                          L NORM.
                                                                    SET_REVISION
                                                                                                            NORM.
                                                                    CREATE_FCB
CREATE_WINDOW
                                                                                                                                            create an FCB
                                                                                                          L NORM.
                                  1360
1361
1362
1363
1364
1365
                                                                                                                                            create a window
                                                                                                          L NORM.
                                                                   SET EXPIRE
                                                                                                             NORM.
                                                                                                                                            enable expiration date recording
                                                                                                                                            complete the access mark FCB for delete
                                                                                                          L NORM.
                                                                    MARKDEL FCB
WRITE ATTRIB
                                                                                                          L NORM.
                                                                                                             NORM.
                                                                                                                                            write attributes
                                                                    EXTEND
                                                                                                         L NORM.
                                                                                                                                           extend the file
```

```
F 16
CREATE
VO4-001
                                                                                                   16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                                        VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
                                                 SAVE_CONTEXT
RESTORE_CONTEXT
MARK_DECETE
REMAP_FILE
SEARCH_FCB
                                                                          : L_NORM,
: L_NORM,
: L_NORM,
    377
378
379
                                                                                                      save reentrant context area
                                                                                                      restore reentrant context area
                                                                          : L_NORM, | mark file for delete

: L_NORM, | remap the file completely

: L_NORM ADDRESSING_MODE (GENERAL); ! Search FCB list
     380
    Enable the deaccess cleanup if an access is taking place.
                                    PACKET = .10 PACKET;
function = .PACKET[IRP$W_FUNC];
                                     IF .FUNCTION[10$V_ACCESS]
                                     THEN
                                           BEGIN
                                           CLEANUP_FLAGS[CLF_ZCHANNEL] = 1;
CLEANUP_FLAGS[CLF_DELWINDOW] = 1;
    394
395
    396
397
                                       Set up pointers to interesting control blocks.
    398
399
400
401
402
404
407
408
411
                                     PCB = .SCHSGL_PCBVEC[.(IO_PACKET[IRP$L_PID])<0,16>];
                                    ABD = .BBLOCK [.PACKET[IRP$L_SVAPTE], AIB$L_DESCRIPT]; | pointer to buffer descriptors
                                    FIB = GET_FIB (.ABD);
                                                                                                      pointer to FIB
                                    IF .FIB[FIB$V_TRUNC]
OR .FIB[FIB$W_VERLIMIT] GTRU 32767
OR (.FUNCTION[IO$V_DELETE] AND NOT .FUNCTION[IO$V_ACCESS])
OR (NOT .FUNCTION[IO$V_CREATE]
AND (.FIB[FIB$V_EXTEND]
OR .PACKET[IRP$W_BCNT] GTR ABD$C_ATTRIB
OR .FUNCTION[IO$V_ACCESS]
                        1400
    412
                        1401
1402
1403
                                     THEN ERR_EXIT (SS$_BADPARAM);
    414
                        1404
1405
1406
1407
1408
1409
1410
1411
1412
1413
1416
1417
                                     IF .CURRENT_VCB[VCB$V_NOALLOC]
    416
                                     THEN ERR_EXIT (SSS_WRITLCK):
    418
419
4221
4223
4225
4226
4230
4333
4333
                                       Do the create if requested. Start by allocating a file number from the
                                        index file bitmap and reading in the initial file header.
                                    IF .FUNCTION[IO$V_CREATE]
THEN
                                           BEGIN
                                        Deal with special cases related to create-if. Release any serialization
                                        lock we are holding, and force supersede mode to dispose of bad
                                        directory entries.
                        1418
                        1420
1421
1422
                                           IF .PACKET[IRP$V_FCODE] EQL 10$_ACCESS THEN_
                                                 BEGIN
```

```
CREATE
VO4-001
                                                                                                           16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                                                   VAX-11 Bliss-32 V4.0-742 PEDISKSVMSMASTER: [F11X.SRC]CREATE.B32;2
                          1425
1425
1426
1426
1427
1428
1433
1433
1433
1433
1433
1433
                                                          .PRIM_LCKINDX NEQ 0
    THEN
                                                           BEGIN
RELEASE SERIAL_LOCK (.PRIM_LCKINDX);
PRIM_LCKINDX = 0;
                                                     FIB[FIB$V_SUPERSEDE] = 1:
                                           Finally, the protection check if the directory has been accessed. This is because the protection check is not done in DIR_ACCESS (via ENTER) if the directory file has already been accessed.
                                                     IF .DIR FCB NEQ O AND .CLEANUP FLAGS[CIF DIRECTORY] AND NOT .CLEANUP FLAGS[CLF SPOOLFILE]
                                                     THEN
                                                           IF .STATUS EQL SS$ NOTALLPRIV
THEN FIBEFIBSV_ALT_GRANTED] = 0;
                                                            END:
                                                     END:
                          1450
1451
1452
1453
1454
1455
1456
1457
1458
                                           Handle any placement specified and find a suitable volume for the
                                           file in a volume set.
                                              FIBEFIBSV PROPAGATE] = 0;
IF .FIBEFIBSV ALLOCATR]
THEN GET LOC ATTR (.ABD, .FIB);
GET_LOC (.FIB, LOC_RVN, LOC_LBN);
IF .LOC RVN NEQ 0
                                                                                                                        ! Since propagation is implied
                                               AND .FIB[FIB$V_EXACT]
                           1460
1461
1462
1463
1464
1465
1466
1468
1468
1471
1473
1474
1475
1476
                                              THEN
                                                     SWITCH_VOLUME (.LOC_RVN)
                                                     SELECT_VOLUME (.FIB, (IF .FIBCFIB$V_EXTEND]
THEN .FIBCFIB$L_EXSZ]
ELSE 0));
     476
477
478
479
                                              CHECK PROTECT (CREATE ACCESS, 0, 0, 0); ! Chec IF .BBLOCK [CURRENT_UCB[UCB$L_DEVCHAR], DEV$V_SWL] OR .CURRENT_VCB[VCB$V_NOALLOC]
                                                                                                                        ! Check volume protection
     480
481
                                              THEN ERR_EXIT (SS$_WRITLCK);
     482
483
484
485
486
487
                                              HEADER = CREATE_HEADER (FIB[FIB$W_FID]);
                                           Now build an initialized file header in the buffer.
     488
                                              ARB = .PACKET[IRP$L_ARB];
     489
     490
                                               IF .EXESGL_DYNAMIC_FLAGS<EXESV_CLASS_PROT,1>
```

```
H 16
                                                                                                                                                                 VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
CREATE
VO4-001
                                                                                                                     16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                  THEN HEADER[FH2$B_IDOFFSET] = FH2$C_FULL_LENGTH / 2;
ELSE HEADER[FH2$B_IDOFFSET] = FH2$C_LENGTH / 2;
HEADER[FH2$B_MPOFFSET] = .HEADER[FH2$B_IDOFFSET] + F12$C_LENGTH / 2;
HEADER[FH2$B_ACOFFSET] = ($BYTEOFFSET (FH2$W_CHECKSUM)) / 2;
HEADER[FH2$B_RSOFFSET] = ($BYTEOFFSET (FH2$W_CHECKSUM)) / 2;
HEADER[FH2$W_SEG_NUM] = 0;
HEADER[FH2$W_STRUCLEV] = FH2$C_LEVEL2 + 1;
     CH$fill (0, 512 - $BYTEOFFSET(FH2$W_EXT_FID), HEADER[FH2$W_EXT_FID]); HEADER[FH2$W_FILEOWNER] = .ARB[ARB$[_UIC]; HEADER[FH2$W_FILEOROT] = .PCB[PCB$L_DEFPROT];
                                                   IF .FUNCTION[IO$V_DELETE]
THEN HEADER[FH2$V_MARKDEL] = 1;
                                                    IF .CLEANUP_FLAGS[CLF_SPOOLFILE]
                                                   THEN HEADER[FH2$V_SPOOL] = 1;
                                                   $ASSUME (ARB$S_CLASS_EQL_FH2$S_CLASS_PROT);
                                                   IF .EXESGL_DYNAMIC_FLAGS<EXESV_CLASS_PROT.1>
THEN CHSMOVE (ARBSS_CLASS, ARBCARBSR_CLASS], HEADER[FH2$R_CLASS_PROT]);
                                                   NEW_FID = 0;
                                                                                                                      ! new file ID is no longer unrecorded
                                                   CLEANUP_FLAGS[CLF_DELFILE] = 1;
CLEANUP_FLAGS[CLF_HDRNOTCHG] = 1;
FILE_HEADER = .HEADER;
CHECKSUM (.HEADER);
                                                                                                                      ! record header address for cleanup
                                                At this point build the necessary FCB, even if the file is not accessed.
                                                This is necessary to allow the ACL to be built.
                                                   FCB = KERNEL_CALL (CREATE_FCB, .HEADER);
PRIMARY_FCB = .FCB;
                                                   END:
                                               If a non-zero directory ID is supplied, enter the file in the directory. Otherwise, just copy down the name string (if any) into the result string. Note that directory operations are also nooped on spool files operations.
                                            IF .CLEANUP_FLAGS[CLF_DIRECTORY] AND NOT .CLEANUP_FLAGS[CLF_SPOOLFILE]
                                            THEN
                                                    BEGIN
                                                   CHSFILL (O, FIDSC_LENGTH, OLD VERSION FID);
ENTER (.ABD, .FIB, RESULT_LENGTH, RESULT);
                                               Always attempt to release the allocation lock here. We will be holding it if the directory was extended. It might make more sense to release it in the directory extension, but the call is relatively cheap.
     540
541
542
543
544
545
546
                                                    ALLOCATION_UNLOCK ();
                              1535
                                               ENTER may have flushed the new buffer from the cache if either the
                                                directory file header(s) and quota file header(s) were accessed and
```

```
CREATE
VO4-001
                                                                              16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                           VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
                                there were multiple headers. Make sure FILE_HEADER is what we think
   it is.
                                  IF .FUNCTION [10$V_CREATE]
                                       FILE_HEADER = READ_HEADER (O, .FCB);
                                  If .FUNCTION[IO$v_CREATE] OR .FIB[FIB$v_PROPAGATE]
                                  THEN
                                       BEGIN
                                If the CREATE modifier was not specified, then this must be a directory
                                entry operation. In which case it is necessary to actually access the file being entered, so that an FCB will exist for the propagation to
                               occur.
                                       IF NOT .FUNCTION[IOSV_CREATE]
                                       THEN
                   1556
1557
1558
1559
1560
1561
1562
1563
1564
1565
                                            BEGIN
                               Switch context to the volume of the specified RVN.
   572
573
574
575
576
577
578
579
                                            SWITCH_VOLUME (.FIB[FIB$W_FID_RVN]);
                               Synchronize further processing on this file.
                   1566
1567
                                            PRIM_LCKINDX = SERIAL_FILE (FIB [FIB$W_FID]);
                   1568
                               Find the FCB of the file, if one exists, then read the file
                   1569
1570
   header. If there is no FCB, create one.
                   1571
                                            FCB = SEARCH_FCB (FIB[FIB$W_FID]);
                                            HEADER = READ_HEADER (FIB[FTB$W_FID], .FCB);
                   1574
1575
1576
1577
1578
                                            FCB_CREATED = 0:
                                            IF .FCB EQL 0
                                            THEN
                                                 BEGIN
                                                 FCB_CREATED = 1:
                                                 FCB = KERNEL_CALL (CREATE_FCB, .HEADER);
                                            PRIMARY_FCB = .FCB:
                                                                                        ! record FCB for external use
                   1584
1585
1586
1587
1588
1589
                                If the file is multi-header, read the extension headers and create
                                extension f(B's as necessary. Finally read back the primary header.
                                            IF .FCB_CREATED
                                                 BUILD_EXT_FCBS (.HEADER)
                    1591
                                                 IF .FCB [FCB$V_STALE]
                                                 THEN
```

```
CREATE
VO4-001
                                                                                              16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                                 VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[F11x.SRC]CREATE.B32;2
                                                                BEGIN
REBLD_PRIM_FCB (.PRIMARY_FCB, .HEADER);
BUILD_EXT_FCBS (.HEADER);
    605
606
607
                       1594
1595
1596
1597
1598
1599
1600
1603
1604
1605
1606
    608
    609
    610
                                      Wipe out any acis that may have existed, because they are going
                                      to be propagated.
                                                     IF .BBLOCK [FCB [FCB$R_ORB], ORB$V_ACL_QUEUE]
                                                          ACL_DELETEACL (FCB [FCB$L_ACLFL], 0);
                                                     END:
                       ! Now propagate the file attributes to the file just entered.
                                               STATUS = PROPAGATE ATTR (.FIB);
IF NOT .STATUS THEN ERR_EXIT (.STATUS);
                                               HEADER = .FILE HEADER;
HEADER[FH2$L_FILEOWNER] = .PRIMARY_FCB[FCB$L_FILEOWNER];
HEADER[FH2$W_FILEPROT] = .PRIMARY_FCB[FCB$W_FILEPROT];
                                               CHECKSUM (.HEADER);
                                               MARK_DIRTY (.HEADER):
                                               END:
                                         END
                                   ELSE
                                         BEGIN
                                        KERNEL_CALL (COPY_NAME, .ABD);
RESULT_LENGTH = MINU (.ABD(ABDSC_NAME, ABDSW_COUNT], F12$S_F1LENAME+F12$S_F1LENAMEXT);
CH$MOVE (.RESULT_LENGTH,
                                               .ABD[ABD$C_NAME, ABD$W_TEXT] + ABD[ABD$C_NAME, ABD$W_TEXT] + 1, RESULT);
                                      Read the file header, regardless of the operation. Do a protection check
on the directory pointed to by the present back link. If it is not valid,
                                      or if write access is allowed, then overwrite the back link with the new
                                      directory ID. Copy the file string into the header ident area. Then write
                                      attributes as specified.
                                  IF .FIBCFIBSW_FID_NUM] NEQ 65535
OR .FIBCFIBSW_FID_SEQ] NEQ 65535
OR .FIBCFIBSB_FID_NMX] NEQ 255
                                   THEN
                                         PRIMARY VCB = . (URRENT VCB;
IF .PRIMARY VCB(VCB$W_RVN) NEQ 0
                                         THEN
                                               BEGIN
                                               UCB = .VECTOR [CURRENT_RVT[RVT$L_UCBLST], 0];
                                               IF .UCB EQL O
                                               THEN ERR EXIT (SS$ DEVNOTMOUNT);
PRIMARY VCB = .UCB[UCB$L VCB];
                                               END:
    660
                                         IF .PRIM_LCKINDX EQL O
```

```
K 16
CREATE
VO4-001
                                                                                            16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                              VAX-11 Bliss-32 V4.0-742
DISKSVMSMASTER: [F11X.SRC]CREATE.B32;2
    662
663
664
665
                       THEN
                                              PRIM_LCKINDX = SERIAL_FILE (FIB [FIB$W_FID]);
                                         HEADER = READ_HEADER (FIB[FIBSW_FID], 0)
    666
667
668
669
670
                                         IDENT_AREA = THEADER + .HEADER[FH2$B_IDOFFSET]+?
                                        CHSMOVE (FIDSC LENGTH, HEADER[FH2$W_BACKLINK], PREV_LINK);
IF .PREV_LINK[FID$W_NUM] EQL 0
                                        AND .PRET_LINK[FIDST_RVN] EQL O
                                        THEN
                                              IF NOT . CLEANUP_FLAGS[CLF_SPOOLFILE]
    676
                                                    CHSMOVE (FIDSC LENGTH, FIB[FIBSW DID], HEADER[FH2SW_BACKLINK]);
DEFAULT_RVN (HEADER[FH2SW_BK_FIDRVN], CURRENT_RVN);
                                                    CLEANUP_FLAGS[CLF_FIXLINK] = 1;
    680
681
682
683
684
685
                                             CH$MOVE (FI2$S_FILENAME, IDENT_AREA[FI2$T_FILENAME], PREV_INAME);
CH$MOVE (FI2$S_FILENAMEXT, IDENT_AREA[FI2$T_FILENAMEXT],
PREV_INAME[FI2$S_FILENAME]);
CH$COPY (.RESULT_LENGTH, RESULT, ', FI2$S_FILENAME, IDENT_AREA[FI2$T_FILENAME]);
IF .HEADER[FH2$B_MPOFFSET] - .HEADER[FH2$B_IDOFFSET]
GEQU ($BYTEOFFSET (FI2$T_FILENAMEXT) + FI2$S_FILENAMEXT) / 2
    686
687
688
689
690
693
693
693
693
693
693
701
703
703
704
707
708
710
711
713
                                              THEN
                                                    BEGIN
                                                   END:
                                     Update revision count and date and expiration date as appropriate.
                                             SET_REVISION (.HEADER, 3); END;
                                     Set up file dates; then write the attributes.
                                        IF .FUNCTION[10$V_CREATE]
THEN
                                              IDENT_AREA[FI2$W_REVISION] = 0;
                                              CH$MOVE (F12$S_CREDATE, IDENT_AREA[F12$Q_REVDATE], IDENT_AREA[F12$Q_CREDATE]);
                                              IF .PACKET[IRP$W_BCNT] GTR ABD$C_ATTRIB
                                              THEN
                                                    WRITE_ATTRIB (.HEADER,
                                                                                     .ABD, 0);
                                                    HEADER = .FILE_HEADER;
    714
715
    716
717
718
                                     If the file is now owned by a UIC other than the creator, add an ACL
                       1706
                                     entry granting owner's access to the creator. Then write the modified
                                     ACL into the header.
```

```
16
                                                                                                   16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
CREATE
VO4-001
                                                                                                                                         VAX-11 Bliss-32 V4.0-742 Pa
DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
                         IF .HEADER[FH2$L_FILEOWNER] NEQ .ARB[ARB$L_UIC] AND NOT .CLEANUP_FLAGS[CLF_SYSPRV]
                                                  THEN
                                                        BEGIN
                                                       ACL_INIT_QUEUE (PRIMARY_FCB[FCB$R_ORB]);
ACL_CONTEXT = 0;
ACE[ACE$B_SIZE] = ACE_LENGTH;
ACE[ACE$B_TYPE] = ACE$C_KEYID;
ACE[ACE$W_FLAGS] = ACE$M_NOPROPAGATE;
ACE[ACE$W_FLAGS] = ACE$M_CONTROL_OR
(.(HEADER[FH2$W_FILEPROT])<4,4> XOR XB'1111');
ACE[ACE$L_KEY] = APR[APR$L_HIC];
                                                       ACE[ACE$L KEY] = .ARB[ARB$L UIC];
ACL_ADDENTRY (PRIM RY FCB[FCB$L ACLFL], ACL_CONTEXT, ACE_LENGTH, ACE);
STATUS = ACL_BUILDACL (.PRIMARY FCB);
IF NOT .STATUS THEN ERR_EXIT (.STATUS);
                                                  CHARGE_QUOTA (.HEADER[FH2$L_FILEOWNER], 1, BITLIST (QUOTA_CHECK, QUOTA_CHARGE));
                                                  CLEANUP_FLAGS[CLF_HDRNOTCHG] = 0;
                                      ! If access is requested, access the file.
                                                 IF .FUNCTION[10$V_ACCESS]
THEN
    744
                                                        BEGIN
    746
747
748
750
751
753
753
755
756
761
763
766
766
767
768
769
770
                                                        IF NOT ARBITRATE_ACCESS (.FIB [FIB$L_ACCTL], .FCB)
                                                              BUG_CHECK (XQPERR, 'how can we fail to access a new file?');
                                                        CURRENT_WINDOW = CREATE_WINDOW (.FIB[FIB$L_ACCTL]
                                                              .FIB[FIB$B_WSIZE], THEADER, .PACKET[IRP$L_PID], .FCB);
                                                        IF .CURRENT_WINDOW EQL O THEN
                                                              BEGIN
                                  06666
                                        This will dequeue the access lock we may have taken above (if a cluster
                                        device) because the refent will be zero.
                                                               CONV_ACCLOCK (O, .FCB);
                                                              ERR_EXIT (SS$_EXBYTLM);
                                                        MAKE_ACCESS (.FCB, .CURRENT_WINDOW, .ABD);
                                                        IF .FUNCTION[IO$V_DELETE]
THEN KERNEL CALL (MARKDEL FCB, .FCB);
IF .(PRIMARY_VCB[VCB$Q_RETAINMAX]+4) NEQ 0
                         1760
                                                        THEN KERNEL_CALL (SET_EXPIRE);
     772
773
774
                         1761
                                                        END:
                         1762
1763
1764
                                        Now extend the file if requested.
    775
```

```
CREATE
VO4-001
                                                                                            16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                               VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[F11x.SRC]CREATE.B32;2
                       IF .FIBEFIB$V EXTEND] THEN EXTEND (.FIB, .HEADER);
HEADER = .FILE HEADER;
KERNEL_CALL (UPDATE_FCB, .HEADER);
    CHECKSUM (.HEADER)
                                        MARK_DIRTY (.HEADER);
                                        IF (.FUNCTIONEIO$V_CREATE] OR .FIB[FIB$V_PROPAGATE])
                                              AND PRIMARY FEB NEQ O
                                              IF .BBLOCK[PRIMARY_FCB[FCB$R_ORB], ORB$V_ACL_QUEUE]
                                              THEN
                                                    BEGIN
                                                    STATUS = ACL BUILDACL (.PRIMARY_FCB);
IF NOT .STATUS THEN ERR_EXIT (.STATUS);
                                     Perform the remap operation if necessary to account for any initial extend.
                                        IF .FUNCTION[IO$V_ACCESS] AND .FIB[FIB$V_EXTEND]
THEN IF .CURRENT_WINDOW[WCB$V_CATHEDRAL]
                                        THEN REMAP_FILE ();
                                     If this is a supersede operation, delete the file that was removed during
                                     the enter operation above. This must be done last since we cannot undo
                                     a delete in cleaning up from a subsequent error. We first copy the primary
                                     context into the context save area since this is a secondary operation.
                                      .CLEANUP_FLAGS[CLF_SUPERSEDE]
                                  THEN
                                        BEGIN
                                        ALLOCATION_UNLOCK ();

SAVE_CONTEXT ();
CH$COPY (FID$C_LENGTH, SUPER_FID, 0,
FIB$C_LENGTH - $BYTEOFFSET (FIB$W_FID), SECOND_FIB[FIB$W_FID]);

SECOND_FIB[FIB$B_AGENT_MODE] = .FIB[FIB$B_AGENT_MODE];
MARK_DELETE (SECOND_FIB, 1, 0, 0);
RESTORE_CONTEXT ();
    812
813
814
816
816
818
818
818
822
823
824
                                  RETURN 1:
                                  END:
                                                                                            ! end of routine CREATE
                                                                                                           .TITLE
                                                                                                                       CREATE
                                                                                                           . IDENT
                                                                                                                       \V04-001\
                                                                                                                      ACPSGB_WRITBACK
SCHSGL_PCBVEC, EXESGL_DYNAMIC_FLAGS
EXESV_CLASS_PROT
                                                                                                           .EXTRN
                                                                                                            .EXTRN
                                                                                                           .EXTRN
```

CRE VO4

.EXTRN	ACL_DELETEACL, UPDATE FCB
.EXTRN	REBED PRIM FCB. BUILD EXT FCBS
.EXTRN	REBED PRIM FCB. BUILD EXT FCBS RELEASE SERIAL LOCK
EXTRN	ALLOCATION UNLOCK
EXTRN	ARBITRATE_ACCESS
EXTRN	CONV_ACCLOCK, SERIAL_FILE
	CONV ACCEDIA, SERIAL FILE
.EXTRN	GET_FIB. GET_LOC_ATTR
.EXTRN	GET LOC. SWITCH VOLUME
.EXTRN	SELECT_VOLUME, CHECK_PROTECT
.EXTRN	CHARGE QUOTA, CREATE HEADER
EXTRN	CHECKSOM, MARK_DIRTY
EXTRN	ACL INIT QUEUE, ACL ADDENTRY
.EXTRN	ACL BUIL BACL READ READER
EXTRN	ACL_INIT_QUEUE, ACL_ADDENTRY ACL_BUILDACL, READ_READER ENTER, COPY_NAME
EXTRN	SET_REVISION, CREATE_FCB
	COETTE HINDON CET ETDIDE
EXTRN	CREATE WINDOW, SET EXPIRE
.EXTRN	MAKE ACCESS, MARKDEL FCB
.EXTRN	WRITE_ATTRIB, EXTEND
.EXTRN	SAVE_CONTEXT, RESTORE_CONTEXT
.EXTRN	MARK_DELETE, REMAP_FICE
.EXTRN	SEARCH_FCB; BUGS_XQPERR

.PSECT SCODES, NOWRT. 2

								. 13561	aconea, nown, 'E	
		5E	80	AE	BFC 9E	00002		.ENTRY MOVAB PUSHAB	CREATE, Save R2,R3,R4,R5,R6,R7,R8,R9,R11 -128(SP), SP 4(BASE)	: 1252
		59	80 04 08 18	AA AA	9F 9F 9E	00006 00009 0000¢		PUSHAR	4(BASE) 8(BASE) 24(BASE), R9	1328
			01A8	CA	9F 9F 9F	00010 00013 00017		MOVAB PUSHAB PUSHAB	48(BASE)	
			0244	CA	DD	00C1B		PUSHAB	580(BASE) -112(BASE)	1376 1377
50		6E 7E		60	C1 3C	0001E 00022		PUSHL ADDL 3 MOVZWL	#32, PACKET, RO	; 1377
06	00	6E	0400	06 8f	E1	00025		BBC	#6, FUNCTION, 18	1378 1382
	02	51	0402	9f	A8	00029 0002F	18:	BISW2 MOVL	anschigl PCBVEC, R1	1388
		50	90	AA	00	00036 0003A		MOVL 2	-112(BASE), RO	
		50 58		0C 60	0 30	0003D		MOVZWL	#6, FUNCTION, 18 #1026, 2(BASE) a#SCH\$GL PCBVEC, R1 -112(BASE), R0 #12, R0 (R0), R0	
50	04	AE 56		6140 2C	D0	00040		MOVL ADDL3	(RO) RO (R1)[RO], PCB #44, PACKET, RO @(RO)+, ABD	1389
		56		90 56	DD	00049 0004C		MOVL PUSHL	a(R0)+, ABD ABD	1391
	0000G	CF		01	FB	0004E		CALLS	#1. GET_FIB RO, FIB	
		57 27 8F	17	01 50 A7	DO E8	00053		BLBS	23(F1B), 3\$	1393
	7666	8F	50	A7 1F	B1	0005A 00060		BLBS CMPW BGTRU	23(F1B). 3\$ 44(F1B), #32767 3\$	1394
17		04 6E	01	AE	E9	00062		BLBC	FUNCTION+1, 2%	1395
17		30		6E	E 1	0006A	2\$:	BBC TSTB BLSS	#6, FUNCTION, 38 FUNCTION	1396
			16	06 6E 16 A7	19 95	0006C		BLSS TSTB	4\$ 22(FIB)	1397
50	04	AE		QE	95 19 C1	00071		BLSS ADDL3	22(FIB) 35 450, PACKET, RO	1398
	4-4	2.4		36		200.3		110063		

							1	(1 6-Sep- 4-Sep-	1984 00:06 1984 12:30	:06 VAX-11 BLiss-32 V4.0-742 :13 DISK\$VMSMASTER:[F11X.SRC]CREATE.	Page 17.
				05		60	81 00078		CMPW	(RO), #5	:
		03		6E		04 06 14	1A 0007B E1 0007D BF 00081 04 00083	38:	BGTRU BBC CHMU	#6, FUNCTION, 4\$	1399 1402
		03	08	50 A0	98	04	04 00083 00 00084 E1 00088 31 00080 95 00090	48:	RET MOVL BBC BRW	-104(BASE), RO #4, 11(RO), 5\$ 16\$	1404
						00C2 6E 03	95 00090 19 00092	5\$:	RIST	FUNCTION 6\$	1411
32		50	04	AE 06		015E 015E 000 4F 69 09	31 00094 C1 00097 ED 00090 12 000A1	6\$:	BRW ADDL3 CMPZV BNEQ TSTL	238 #32, PACKET, RO #0, #6, (RO), #50 10\$ (R9)	1420
						69	D5 000A3		TSTL	(R9)	1423
			00006	CF		69 01	D5 000A3 13 000A5 DD 000A7 FB 000A9 D4 000AE 88 000B0		BEQL PUSHL CALLS CLRL BISB2 MOVL BEQL BBC TSTB BLSS EXTZV BBC	7\$ (R9) #1 RELEASE_SERIAL_LOCK	1426
			15	A7		69	88 000B0	78:	BISB2	(R9) #4, 21(FIB)	1427 1429 1436
				50	0000	CA 37	DO 000B4 13 000B9		MOVL	#4, 21(FIB) 208(BASE), RO 10\$	2
		33		6A			E1 000BB 95 000BF 19 000C1		BBC TSTB BLSS	#6, (BASE), 10\$ (BASE) 10\$	1437 1438
7E	38	A7 04	30	01 A7		00	EF 000C3		EXTZV	#0, #1, 56(FIB), -(SP) #3, 60(FIB), 8\$	1444
		0	0000G 24 0000681	7E CF AE 8F	24	06A 2003 002 77E 006 05A 64	B1 00078 E1 00078 E1 00081 00088 D0 00084 E1 00088 31 00097 ED 00097 ED 00097 ED 00097 ED 00097 ED 00008 DD 00089 E1 00089 E1 00089 E1 00089 E1 00089 E1 00089 E1 00089 E1 00089 E1 00008 E1 000	8\$: 9\$:	PUSHL BRB CLRL CLRL PUSHL MOVQ CALLS MOVL CMPL	#2 9\$ -(SP) -(SP) R0 #1, -(SP) #6, CHECK PROTECT R0, STATUS	1441
			38 38 16	A7		02	8A 000EE 8A 000F2	104.	CMPL BNEQ BICB2 BICB2	#2, 56(FIB)	1446
		08	16	A7 A7 7E CF		04	E1 000F6	105.	RRI	#4, 22(FIB), 11\$	1455
			00006	CF	20	AE 04 08 04 56 02 AA 57	FB 000FE 9F 00103 9F 00106	10\$: 11\$: 12\$:	MOVQ CALLS PUSHAB PUSHAB PUSHL CALLS TSTL	STATUS, #1665 108 #2, 56(FIB) #8, 56(FIB) #4, 22(FIB), 118 ABD, -(SP) #2, GET_LOC_ATTR 32(BASE) 28(BASE) FIB #3, GET_LOC 28(BASE) 128 32(FIB), 128 28(BASE) #1, SWITCH VOLUME	1457
			0000G	CF	10	03	FB 000FE 9F 00103 9F 00106 DD 00109 FB 00110 13 00113 E9 00115 DD 00119 FB 00110		PUSHL CALLS TSTL	#3. GET_LOC 28(BASE)	1458
				OA	20	A?	E9 00115		BLBC	32(FIB), 12\$	1459
			0000G	CF	16	01	FB 00110		BEQL BLBC PUSHL CALLS	#1 SWITCH_VOLUME 15\$	1401
					16	13	95 00123	128:	BRB TSTB BGEQ	158 22(FIB) 138	1463
					18	A7	95 00123 18 00126 DD 00128 11 00128 D4 00120		PUSHL	24(F18)	1464
						02 7E	04 00120	138:	BRB CLRL	24(FIB) 14\$ -(SP)	1463

REATE 04-001									1	0 1 6-Sep-1 4-Sep-1	984 00:06 984 12:30	5:06 VAX-11 Bliss-32 V4.0-742 Page 18 0:13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2 (2)
				00006	CF		57 02	DD	0012F 00131	148:	PUSHL	FIB #2 SELECT_VOLUME -(\$P) 1467
			09	0000G 38 08	7E CF 50 A0 50 A0	94 98 0250	03 04 01 AA 04 8F	70 FB DO E DO E BF O 4	00136 00138 00138 00140 00144 00149	15\$: 16\$:	PUSHL CALLS CLRQ MOVQ CALLS MOVL BBS MOVL BBC CHMU	-(\$P) #3(\$P) #4. CHECK PROTECT -108(BASE), R0 #1, 59(R0), 16\$ -104(BASE), R0 #4, 11(R0), 17\$ #604
			50 05	0000G 04 1C 0000000G	CF 58 AE AE 9F	04	A7 01 50 8F 60	94 95 96 97 90 01 00 E1	00149 00140 00152 00156 00157 00158 00162 00168	175:	RET PUSHAB CALLS MOVL ADDL3 MOVL BBC	4(FIB) #1, CREATE_HEADER R0, HEADER #88, PACKET, R0 (R0) ARB #EXESV_CLASS_PROT, @#EXESGL_DYNAMIC_FLAGS, - 1479
01f2	8f	01	A8 00	02 06	68 68 68 A8 A8	FFFF 0201	3638CFF008860BEF	90 11 90 81 30 80 20	00183	18\$: 19\$:	MOVB BRB MOVB ADDB3 MOVZWL MOVW MOVC5	18\$ #54, (HEADER) 19\$ #40, (HEADER) #60, (HEADER), 1(HEADER) #65535, 2(HEADER) #513, 6(HEADER) #0, (SP), #0, #498, 14(HEADER) 1486
01F2			50 1C AE 3C A8 40 A8 05 35 A8			6A 04	C1 D0 B0 E9 88 95	001A6 001AC 001B0 001B5 001B7	20\$:	ADDL3 MOVU BLBC BISB2 TSTB BGEQ BISB2	#55, ARB, RO (RO), 60(HEADER) 276(PCB), 64(HEADER) FUNCTION+1, 20\$ #128, 53(HEADER) (BASE)	
			OA	00000000G	A8 9F	0000000G	10	88 E1	00184		BISB2 BBC	218 #16, 53(HEADER) #EXESV_CLASS_PROT, @#EXESGL_DYNAMIC_FLAGS, -: 1500
		58	5B A8	10	AE 6B		0C 14	C1 28	001C9 001CE		ADDL3 MOVC3	#12, ARB, R11 #20, (R11), 88(HEADER)
				02 18	AA BE	0820	8F 58 58	28 04 00 00 FB	00103 00106 0010C	22\$:	CLRL BISW2 MOVL PUSHL CALLS PUSHL CALLS MOVL MOVL	#16,53(HEADER) #EXESV_CLASS_PROT, a#EXESGL_DYNAMIC_FLAGS, -: 1500 22\$ #12, ARB, R11 #20, (R11), 88(HEADER) -88(BASE) #2080, 2(BASE) HEADER, a24(SP) HEADER #1, CHECKSUM HEADER #1, CREATE_FCB R0, FCB
				00006	CF		01		001E0 001E2		PUSHL	HEADER 1507
				0000G	CF		01	FB DO	00169		CALLS	HEADER #1, CREATE_FCB
			03	14	CF 5B BE 6A		58 01 50 58 06 00E7	DO	001F1 001F5 001F9	238: 248: 258:	MOVL BBS BRW TSTB BLSS MOVC5	RO, FCB FCB, a20(SP) M6, (BASE), 25\$ 33\$ (BASE)
	06		00		6E	01/6	F 9	31 95 19 20	001FE 00200	630:	BLSS MOVC5	24\$ #0, (SP), #0, #6, 332(BASE) 1525
				0000G	7E CF	014¢ 2¢	00E7 6A F9 00 CA AE AE 56	9F 9F 7D FB	001C9 001CE 001D3 001D6 001E0 001E2 001E7 001E9 001F1 001F5 001F6 00200 00205 00208 00208 00208		PUSHAB PUSHAB MOVQ CALLS	RESULT LENGTH ABD, -(SP) #4, ENTER

					1	E 1 6-Sep-1 4-Sep-1	984 00:06 984 12:30	:06 VAX-11 BLiss-32 V4.0-742 :13 DISKSVMSMASTER:[F11X.SRC]CR	Page 19 EATE.B32;2 (2)
	00006	CF		00 6E 0D	FB 00216 95 0021B 18 0021D		CALLS TSTB BGEQ	#O, ALLOCATION_UNLOCK FUNCTION 26\$ FCB	; 1533 : 1541
	0000G	CF		00EDBEZOE83	DD 0021F D4 00221 FB 00223 D0 00228 95 00220	268:	BGEQ PUSHL CLRL CALLS MOVL TSTB	#2, READ HEADER RO. a24(SP)	1543 1545
03	38	A7		03	19 0022E E0 00230		BLSS BBS	FUNCTION 27\$ 35\$ 56(FIB), 27\$	
				6E	60 00230 31 00235 95 00238 19 0023A	278:	BRW TSTB BLSS	FUNCTION 318	1554
	0000G	7E CF	08	A7 01	30 00230		MOV 714	9/EIB) -(CD)	1561
	00006	CF 69	04	6E 67 01 A7 01 50 A7	FB 00248		CALLS PUSHAB CALLS	#1, SWITCH_VOLUME 4(FIB) #1, SERIAL_FILE RO, (R9) 4(FIB)	1566
	00000000		04	A7	00 00240 9F 00250				1572
	00000000G	00 5B		50	FB 00253 D0 0025A		CALLS MOVL PUSHL	#1, SEARCH_FCB RO, FCB FCB	1573
	00006	CF 58	04	01 50 50 50 50 50 50 50 50 50 50 50 50 50	DD 0025D 9F 0025F FB 00262 D0 00267		CALLS	4(FIB) #2, READ_HEADER RO. HEADER	
				5B	D4 0026A D5 0026C 12 0026E		CLRL TSTL BNEQ	FCB_CREATED FCB 28\$	1574 1576
		52		01	DO 00270 DD 00273		MOVL PUSHL	W1. FCB_CREATED HEADER	1579 1580
	00006	CF 5B		01	FB 00275		CALLS	#1. CREATE_FCB	. 1300
	14	BE OE		5B	DO 0027D	285:	MOVL	RO, FCB FCB, a20(SP) FCB CREATED, 298	1582 1588
		11	23		E9 00284 DD 00288		BLBC PUSHL	35(FCB), 30\$ HEADER	1592 1595
	00006	CF	18	BE 02	DD 0028A FB 0028D	,	PUSHL CALLS PUSHL	a24(SP) #2, REBLD_PRIM_FCB	
	00006	CF		58 C1	DD 00288 DD 0028A FB 0028D DD 00292 FB 00294 E1 00299 D4 0029E 9F 002A0	298:	CALLS	FCB CREATED, 29\$ 35 (FCB), 30\$ HEADER a24 (SP) #2, REBLD_PRIM_FCB HEADER #1, BUILD_EXT_FCBS #1, 99 (FCB), 31\$	1596
OD	63	AB		01 7E	E1 00299 04 0029E	308:	BBC	#1, 99(FCB), 31\$ -(\$P)	: 1603 : 1605
	000000006	00	0800	AB 58 BE 02 58 C1 01 7E 02 57		710	PUSHAB CALLS PUSHL CALLS MOVL BLBS	#1, 99(FCB), 318 -(\$P) 128(FCB) #2, ACL_DELETEACL FIB	•
	0000v	CF		01	FB 002A4 DD 002AB FB 002AD DO 002B2 E8 002B6 31 002BA DO 002C1 DO 002C5 DO 002CA BO 002CE DD 002D3 FB 002D5	515:	CALLS	#1, PROPAGATE_ATTR	1611
	24	AE 03	24	01 50 AE 027E	FB 002AD 00 002B2 E8 002B6 31 002BA D0 002C1 D0 002C5 D0 002CA B0 002CA B0 002D3 FB 002D5		BLBS BRW	#1, PROPAGATE_ATTR RO, STATUS STATUS, 32\$	1612
		58	18	BE	DO 002BD	328:	MOVL	578 324(SP), HEADER 320(SP), RO 88(RO), 60(HEADER) 320(SP), RO 112(RO), 64(HEADER) HEADER #1, CHECKSUM HEADER	1613 1614
	30	58 50 A8 50	18 14 58 14 70	BE BE AO BE AO 58	00 00205		MOVL	88(RO), 60(HEADER)	1615
	40	A8	70	A0	BO 002CE		MOVE MOVW PUSHL	112(RO), 64(HEADER) HEADER	1616
	00006	CF		01	FB 00205		PUSHL CALLS PUSHL	#1, CHECKSUM HEADER	1617

						F 1 16-Sep- 14-Sep-	1984 00:06 1984 12:30	:06 VAX-11 Bliss-32 V4.0-742 :13 DISK\$VMSMASTER:[F11X.SRC]CREATE	.832;2 (2)
		0000G	CF		01 FE	002DC 002E1	CALLS	#1 MARK_DIRTY	1522
		0000G 0056	CF 50 8F	12	29 11 56 DE 01 FE A6 30 50 B1 04 1E 8F 9A 50 DE A6 32 A7 B1 12 12 A7 B1	002EA	PUSHL CALLS MOVZWL CMPW BLEQU MOVZBL	ABD #1, COPY_NAME 18(ABD), RO RO, #86	1522 1622 1623
		28	50 AE 51 50	56 10	04 18 8F 9A 50 DO A6 9E	002F5 002F9 348:	MOVZBL MOVL MOVAB	#86. RO RO. RESULT LENGTH 16(ABD), RT	1625
44	AE	O1 A	140 8F	28 04	61 30 AE 28 A7 B1 12 12	00301 00304 0030C 358:	MOVL MOVAB MOVZWL MOVC3 CMPW BNEQ CMPW	RO, RESULT LENGTH 16(ABD), RT (R1), RO RESULT_LENGTH, 1(R1)[R0], RESULT 4(FIB), #65535	1624 1635
		FFFF	8F	06	12 12 A7 B1	00314	CMPW	6(FIB), #65535	1636
		FF	8F	09	0A 12 A7 91 03 12 0230 31	0031C 00321	CMPB	36\$ 9(FIB), #255 36\$ 57\$	1637
	50	50 50	AE	98	0E C1	00326 36\$: 0032B 00330	BRW MOVL ADDL3 TSTW	-104(BASE), PRIMARY_VCB #14, PRIMARY_VCB, RO (RO)	1640 1641
			50 51	9C 44	14 13 AA DO AO DO O5 12 8F BF	00338	BEQL MOVL MOVL BNEQ CHMU	38\$ -100(BASE), R0 68(R0), UCB 37\$ #124	1644 1645 1646
		20	AE	34	A1 D0	00342	RET MOVL TSTL	52(UCB), PRIMARY_VCB	1647 1650
		0000G	CF 69	04	69 D5 08 12 A7 9F 01 FE 50 D0 7E D4 A7 9F	0034A 0034C 0034F	PUSHAB CALLS MOVL	39\$ 4(FIB) #1, SERIAL_FILE R0, (R9) -(\$P) 4(FIB)	1652 1654
		00006	CF 58 50 59 A8	04	02 FE	0035C 00361 00364	PUSHAB CALLS MOVL MOVZBL MOVAW MOVC3	4(FIB) #2, READ HEADER RO, HEADER (HEADER), RO (HEADER)[RO], IDENT AREA #6, 66(HEADER), @16(SP) @16(SP)	1655
10	BE	42	59 A8	10	68 94 5840 3E 06 28 BE B5 68 12 60 B5	00367 0036B 00371	MOVAW MOVC3 TSTW	(HEADER)[RO], IDENT AREA #6, 66(HEADER), 016(SP) 016(SP)	: 1657 : 1658
	50	10	AE		68 12 04 C1 60 B5	00376 00378	TSTW BNEQ ADDL3 TSTW	#4, 16(SP), RO (RO)	1659
					5F 12 6A 95 17 15	0037D 0037F 00381	TSTB	44\$ (BASE) 41\$	1662
42	8A 8A	OA	A7 08		06 28 00 E	00383 00389 00390 00392	BNEQ TSTB BLSS MOVC3 CMPZV BNEQ	#6. 10(FIB), 66(HEADER) #0, #8, 70(HEADER), -96(BASE) 40\$	1665 1666
00	BE	03	AA 69	46	6A 95 17 15 06 28 00 ED 03 12 A8 94 8F 88 14 28 14 C1 8F 26 AE 20	00392 00395 408: 0039A 418:	BISB2 MOVC3	70(HEADER)	1667 1670 1672
	9E 9E 20	00 36 44	69 AE A9 AE	0042	14 C1 8F 28 AE 20	0039F 003A4 003AB	MOVC3 MOVC5	#64, 3(BASE) #20, (IDENT_AREA), a12(SP) #20, 12(SP), -(SP) #66, 54(IDENT_AREA), a(SP)+ RESULT_LENGTH, RESULT, #32, #20, -	1673

CREATE V04-001								1	6 1 6-Sep-1 4-Sep-1	984 00:06 984 12:30	6:06 VAX-11 Bliss-32 V4.0-742 Page 0:13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2	ge 21 (2)	
					50 51 50	01	69 68 51 50	9A 003B2 9A 003B3 9A 003B7 02 003BA 01 003BD		MOVZBL MOVZBL SUBL2 CMPL BLSSU SUBL3 BGEQ	(IDENT_AREA) 1(HEADER), RO (HEADER), R1 R1, RO RO, #60 43\$ #20, RESULT_LENGTH, RO 42\$ RO K, RESULT+20, #32, #66, 54(IDENT_AREA)	1674 1675	
			50	28	AE		14	003C2 003C7 04 003C9		SUBL3 BGE9	#20, RESULT_LENGTH, RO	1678	
0042	85		20	58	AE	36	020 500 500 500 500 500 500 500 500 500	18 003C7 04 003C9 2C 003CB 003D3	428:	CLRL MOVC5	K, RESULT+20, #32, #66, 54(IDENT_AREA)	1680	
							03 58	00305	438:	PUSHL	#3 HEADER	1686	
				0000G	CF		6E	00 00305 00 00307 FB 00309 95 0030E 19 003E0 31 003E2	448:	CALLS TSTB BLSS BRW	#3 HEADER #2. SET REVISION FUNCTION 458 538	1692	
		16	A9 50	1E 04	A9 AE 05	14	011F A9 08 32 60 0F	84 003E8 28 003E8 C1 003EE B1 003F3	458:	CLRW	20(IDENT_AREA) #8, 30(IDENT_AREA), 22(IDENT_AREA) #50, PACKET, R0 (R0), #5 -(SP)	1695 1696 1698	
			50	0000G 1C	CF 58 AE 60	18 30	75683E8883A611E8F	04 003F8 DD 003FA DD 003FC FB 003FE DO 00403	468:	MOVC3 ADDL3 CMPW BLEQU CLRL PUSHL PUSHL CALLS MOVL ADDL3 CMPL BEQL BLBS ADDL3 CALLS	-(SP) ABD HEADER M3, WRITE ATTRIB a24(SP), READER M56, ARB, RO 60(HEADER), (RO) 478 1(BASE), 478 M88, a20(SP), -(SP) M1, ACL_INIT_QUEUE ACL_CONTEXT M134217996, ACE	1701 1702 1709	
			7E	000000006	SF BE 00	00000058	8F 01	01 0040C 13 00410 E8 00412 C1 00416 FB 0041F		BLBS ADDL3 CALLS	1(BASE), 47\$ #88, a20(SP), -(SP) #1, ACL_INIT_QUEUE	1710 1713	
	50	40	40 A8	40 A8	30	AE 04	08000100	AE 8F 04 0F	00 00429		CLRL MOVL EXTZV	ACL_CONTEXT #134217996, ACE #4, #4, 64(HEADER), RO	1714 1715 1719
		34	AE 50	10	50 50 AE AE		10 38	EF 00431 CC 00437 C9 0043A C1 0043F		BISL3	#16, RO, ACE+4 #55, ARB, RO	1718 1720	
				1 C 38	AE	30	AE OC	00 00444 9F 00448 0D 00448		MOVL PUSHAB PUSHL	#4, #4, 64(HEADER), RO #15, RO #16, RO, ACE+4 #55, ARB, RO (RO), ACE+8 ACE	1721	
			7E	000000006 000000006 24	00 00 AE 03	14	10360 ACCAE 804 804 801 508 00003	EF 00431 CC 00437 CP 00438 CP 00448 OD 00448 OD 00468 OD 00468 OD 00468 OD 00477 OD 00477 OD 00477 OD 00481 OD 00489	47\$:	EXTZV XORLZ BISL3 ADDL3 MOVL PUSHAB PUSHAB ADDL3 CALLS PUSHL CALLS MOVL BLBS BRW PUSHL BLBS BRW PUSHL PUSHL PUSHL PUSHL PUSHL BLBS BRW PUSHL PUSH PUSHL PUSH PUSHL PUSH PUSHL PUSH PUSH PUSH PUSH PUSH PUSH PUSH PUSH	ACL CONTEXT #128, a32(SP), -(SP) #4, ACL_ADDENTRY a20(SP) #1, ACL_BUILDACL R0, STATUS STATUS, 478 558	1722 1723 1726	
			63	0000G 03	CF AA 6E 51	30	03 01 A8 03 08 06 5B	DD 00477 DD 00479 FB 0047C BA 00481 E1 00485 DO 00489		PUSHL PUSHL CALLS BICB2 BBC MOVL	#1 60(HEADER) #3, CHARGE QUOTA #8, 3(BASE) #6, FUNCTION, 51\$ FCB, R1	1727 1732 1736	

					1	H 1 6-Sep- 4-Sep-	1984 00:00 1984 12:30	6:06 VAX-11 Bliss-32 V4.0-742 Pa 0:13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2	ge 22 (2)
		50		67	QQ QQ48C		MOVL	(FIB), RO	:
		04		00000	00 0048C 30 0048F E8 00492		MOVL BSBW BLBS BUGW .WORD	(FIB), RO ARBITRATE_ACCESS RO, 48\$	•
				F	E\$ 00492 EFF 00495 000 00497		BUGW		: 1738
				5B	DD 00499	48\$:	PUSHL	<bug\$_xqperr!4> FCB</bug\$_xqperr!4>	1741
52	08	AE		5B 06587 677 050 5B 762 8F	DD 00499 C1 0049B		PUSHL ADDL3	FCB #12 PACKET, R2 (R2) HEADER 3(F1B), -(SP)	
				58	DD 004A0 DD 004A2 98 004A4		PUSHL PUSHL CVTBL PUSHL CALLS	HEADER	
		7E	03	AZ	98 004A4 DD 004A8 FB 004AA DO 004AF 12 004B3		CVTBL	3(F1B), -(SP)	17/0
	00006	CF		05	DD 004A8 FB 004AA		CALLS	(FIB) #5. CREATE_WINDOW	1740
	OC	AA		50	FB 004AA D0 004AF 12 004B3		MOAF	#5. CREATE WINDOW RO. 12(BASE) 49\$	17/7
				58	DD 004B5		BNEQ PUSHL	FCB	1743
	00006	68		7E	D4 004B7		CALLS	-(SP)	
	0000G	CF	2A14	8F	FB 004B9 BF 004BE		CHMU	#2, CONV_ACCLOCK #10772	1752
					04 00462	/00.	RET		
			00	56 AA	DD 004C3 DD 004C5 DD 004C8	498:	PUSHL PUSHL PUSHL CALLS BLBC PUSHL	ABD 12(BASE)	1755
	00006			5B	DD 004C8		PUSHL	FCB	
	0000G	CF 07	01	AE	FB 004CA E9 004CF		BLBC	#3, MAKE ACCESS FUNCTION#1, 50\$	1757
	00000			5B	DD 004D3		PUSHL	FLB .	: 1758
50	0000G 20	CF AE	00000078	8F	FB 004D5	505:	CALLS ADDL3	#1, MARKDEL FCB #120, PRIMARY VCB, RO	1759
				5B 03 AE 5B 01 8F 60 05 00 A7 08 57	D5 004E3		TSTL	(RU)	
	0000G	CF		00	13 004E5 FB 004E7		CALLS	51\$ #0. SET EXPIRE	1760
			16	A7	FB 004E7 95 004EC 18 004EF	518:	TSTB	WO. SET_EXPIRE 22(FIB) 52\$: 1766
		7E		57	7D 004F1		BGEQ MOVQ	FIB(SP)	
	00006	CF	10	02	FB 004F4	526.	CALLS	FIB(SP) #2, EXTEND	1747
		58	18	BE 58 01 58	DO 004F9 DD 004FD	229:	MOVL	a24(SP), HEADER HEADER	; 1767 ; 1768
	00006	CF		01	FB 004FF		CALLS	W1, UPDATE_FCB HEADER	:
	0000G	CF		01	DD 00504 FB 00506	538:	CALLS	#1. CHECKSUM	1771
				58	DD 0050B		PUSHL	HEADER #1, MARK_DIRTY	: 1772
	00006	CF		6E	FB 00506 DD 0050B FB 0050D 95 00512 19 00514		CALLS PUSHL CALLS PUSHL CALLS TSTB	FUNCTION THE T	1774
24	70	47		05	19 00514		BI 22	FUNCTION 548 #3, 56(FIB), 568	•
24	38	A7	14	BE	D5 0051B	548:	BBC	320(SP)	1775
		EA		16	13 0051E		BEQL	a20(SP) 56\$ a20(SP), RO #1, 99(RO), 56\$	1777
16	63	50 A0	14	01	E1 00524		MOVL BBC	#1, 99(RO), 56\$	
			14	BE	DD 00529		PUSHL	920(SP)	1780
	00000000G	00 AE 04		01 58 01 6E 05 8E 1F 8E 01 8E 01 8E AE	DD 0050B FB 0050D 95 00512 19 00514 E1 00516 D5 0051B 13 0051E D0 00520 E1 00524 DD 00529 FB 00537 BF 00538 04 00538 E1 00538 95 00543 18 00546		MOVL	#1. ACL BUILDACL RO. STATUS	
		04	24	AE	E8 00537	558.	BLBS	STATUS, 365	1781
			24		04 0053E	558:	RET	STATUS	
13		6E	16	06 A7	E1 0053F 95 00543 18 00546	568:	BBC TSTB	#6. FUNCTION, 57\$ 22(FIB) 57\$	1787
			10	ÔÉ	18 00546		BGEQ	57\$	•

(8)

CREATE V04-001						1 1 16-Sep-1 14-Sep-1	984 00:06 984 12:30	:06 VAX-11 Bliss-32 V4.0-742 :13 DISK\$VMSMASTER:[F11X.SRC]CREATE.	Page 23 832;2 (2)
3C	05 31 56 00	08 0000G 0000G 0000G 08 01FE	50 A0 CF 6A CF CF AE CA	00	A 60050004666	DO 00548 E1 00540 FB 00551 E1 00556 FB 0055A FB 0055F C1 00564 2C 00569	MOVL BBC CALLS BBC CALLS CALLS ADDL3 MOVC5	12(BASE), RO M6. 11(RO), 57\$ M0. REMAP FILE M5. (BASE), 58\$ M0. ALLOCATION UNLOCK M0. SAVE CONTEXT M4. 8(SP), R6 M6. 510(BASE), M0, M60, (R6)	1788 1789 1798 1801 1802 1804
	50	08 0000G 0000G	CF CF	2E 14	2E 77 7E 01 AE 00 01	C1 00571 90 00576 7C 0057A DD 0057C DD 0057E FB 00581 FB 00586 D0 0058B 58\$:	ADDL3 MOVB CLRQ PUSHL PUSHL CALLS CALLS MOVL RET	#46, 8(SP), RO 46(FIB), (RO) -(SP) #1 20(SP) #4, MARK_DELETE #0, RESTORE_CONTEXT #1, RO	1805 1806 1807 1811 1813

; Routine Size: 1423 bytes, Routine Base: \$CODE\$ + 0000

! read file header

EXTERNAL ROUTINE

READ_HEADER

: L_NORM,

CRE

```
CREATE
VO4-001
                                                                                             16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                                VAX-11 Bliss-32 V4.0-742
                                                                                                                                DISKSVMSMASTER: [F11x.SRC] CREATE. B32:2
                                                                     L_NORM,
L_NORM,
L_NORM,
L_NORM,
    883
884
885
                                               SAVE_CONTEXT
                                                                                                           Save reentrant context area
                                              RESTORE CONTEXT
OPEN FILE
CLOSE FILE
                                                                                                            Restore reentrant context area
                       1873
1873
1874
1875
1876
1877
1878
1880
                                                                                                            Open a file
    886
887
888
889
890
891
892
893
                                                                                                            Close a file
                                              CHECK_PROTECT
                                                                      : L_NORM;
                                                                                                           Perform a protection check
                                   ENABLE PROPAGATE_HANDLER;
                                     What we do depends on whether there is an old version present. If it exists, we copy attributes from it. If not, we copy attributes from the directory. If the old version is the same as the file being
                       1881
    894
895
                       1882
                                     entered, we do nothing, because the net effect would be a NOP anyway, and we can't open the same file in both promary and secondary context.
    896
897
                       1884
1885
                       1886
1887
    898
    899
                                   IF CHSEQL (FIDSC_LENGTH, OLD_VERSION_FID
                       1838
                                                   FIDSC_LENGTH, PRIMARY_FCB[FCB$W_FID])
    900
                       1889
                                   THEN RETURN 1:
    901
    902
                       1890
                                   IF .OLD_VERSION_FID[FID$W_NUM] NEQ OOR .OLD_VERSION_FID[FID$B_NMX] NEQ O
                       1891
                       1892
1893
    904
    905
                                   THEN
    906
                       1894
                                         BEGIN
    907
                       1895
                                         LOCAL SAVCURRINDX;
    908
                       1896
1897
                                         SAVE_STATUS = .USER_STATUS;
FILE_FCB = .PRIMARY_FCB;
    909
                                                                                                         ! Save created file FCB address
                       1898
                                         SAVCURRINDX = .CURR_LCKINDX;
    910
                       1899
                                         SAVE_CONTEXT ()
                                         WINDOW = OPEN FILE (OLD_VERSION_FID, 2);
IF .WINDOW NEG O
                       1900
                       1901
                       1902
    914
915
                                         THEN
                       1904
                                              FCB = .WINDOWEWCBCL_FCB];
                       1905
                                              IF CHECK PROTECT (RDATT ACCESS, O.
                                                                                                .PRIMARY_FCB,
                       1906
1907
1908
1909
                                                                        MAXU T.10 PACKETEIRPSV_MODEJ, .FIBEFIBSB_AGENT_MODEJ))
                                              THEN
    BEGIN
                       1910
                                      Restore the current lock index we had from primary context.
                        1911
                                      COPY_INFO may need to read the primary file's headers.
                       1912
1913
1914
1915
                                                    CURR_LCKINDX = .SAVCURRINDX;
STATUS = KERNEL_CALL (COPY_INFO, .FCB, .FILE_FCB, .FIB, 0);
                       1916
1917
                                                    CLOSE_FILE (.WINDOW);
                                                    RESTORE CONTEXT ()
                       1918
                                                    READ_HEADER (CURRENT_FIB[FIB$W_FID], .PRIMARY_FCB);
                                                    RETURN . STATUS:
                       1920
1921
1922
1923
1924
1925
1926
                                                    END:
                                              END:
                                        RESTORE CONTEXT ();
USER_STATUS = .SAVE_STATUS;
READ_HEADER (CURRENT_FIBEFIBSW_FID], .PRIMARY_FCB);
                                         END:
                                     If we make it this far, it means that: 1) there was no previous version of
```

								16-Se	0-1984 00:06 0-1984 12:30	5:06 0:13	VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER:[F11X.SRC]	CREATE.B32;2 (3)
: 940 1928 2 the file; 2) the previous version of the file is not accessable; or 3) the 1929 2 current process does not have access to the previous version. In any of 1930 2 these cases, propagate as a newly created file.										le; or 3) the In any of		
	1932 1933	2		_	(COPY	INFO,	.DIR_	FCB, .PI	RIMARY_FCB,	.FIB, 1	1);	
	1934 1935 1936	2 RETURN 2 1 END;	.STATUS						! End of	routine	PROPAGATE_ATTR	
									.EXTRN	OPEN_F	FILE, CLOSE_FILE	
						0()7C 00	000 PROI	PAGATE ATTR:	Save F	R2 .R3 .R4 .R5 .R6	: 1814
				55 54	08 014C		9E 00	002 006	MOVAB	8 (BASE 332 (BA	E) R5 ASE) R4	1865
	24	AO		60 50 64	00BF	65 06	DE 00 DO 00 29 00	00B 010 013	MOVAL	7\$ (F (R5) (F	FP) RO R4), 36(R0)	1888
				50		04	12 00	018 01A	BNEQ	1\$ #1, R0	0	1889
						64	04 00 B5 00	01D 01E 1\$:	RET TSTW	(R4)		1891
					05	08 A4 03	95 00 12 00	022 025	BNEQ	2\$ 5(R4) 2\$		1892
			CO	AA	80	0080	DO 00	02A 28:	MOVL	5\$ -128(E	BASE), -64(BASE)	1896
			00006	55	14	AA	DO 00	032	MOVL	20 (BAS	FILE FCB SE), SAVCURRINDX	1897 1898 1899 1900
			00000	Cr			DD 00	03B	PUSHL	#2	AVE_CONTEXT	1900
			0000G	CF 52		02 50	FB 00	03F	CALLS	#2, OF	PEN_FILE	
				-	18	58 A2	13 00 00 00	047 049	BEQL	4.8		1901 1904
				51 50	90	AA	DO 00	04D 051	MOVI	-112(B	BASE), R1	1906
7E	OB	A1		02 6E	2E	00 A0	EF 00	055 05 B	EXTZV CMPB	46 (RO)	2, 11(R1), -(SP)), (SP)	•
				6E	2E	AQ	9A 00	051 061	MONSBE	46(RO)	(SP)	1905
			00006	7E		04	7D 00	067	MOVQ	#4, -((SP)	. 1903
				ŽF AA		50	E9 00	06F 072		RO, 49	RRINDX 20(BASE)	1914
				- 35 -	04	7E AC	D4 00 DD 00	076 07 8	CLRL	-(CD)		1914
			0000v	CF	0050	8F 04	BB 00	07B 07F	PUSHR	#*M <r4< td=""><td>A.R6> DPY_INFO</td><td># # # # # # # # # # # # # # # # # # #</td></r4<>	A.R6> DPY_INFO	# # # # # # # # # # # # # # # # # # #
			00006			50 52	DO 00 DD 00 FB 00	084 087	MOVL PUSHL CALLS	RO, ST WINDOW	TATUS	1916
	7€	1929 1930 1931 1933 1934 1935 1936	1932 2 STATUS 1933 2 RETURN 1935 2 END;	1932 2 STATUS = KERNE 1933 2 RETURN .STATUS 1936 1 END: 24 A0 CO 0000G 0000G 7E OB A1 0000G 14	1932 2 STATUS = KERNEL_CALL 1933 1934 2 RETURN .STATUS; 1936 1 END; 24 A0 56 CO AA 50 CO AA 50 CO AA 50 CO SO 50 CO AA 51 CO AA 5	1932 2 STATUS = KERNEL_CALL (COPY_ 1933 2 RETURN .STATUS; 1936 1 END; 24 AO	1932 2 STATUS = KERNEL_CALL (COPY_INFO, 1935 2 1936 1 END; RETURN .STATUS; 1936 1 END; 000 55 08 AA 60 000BF CF 50 06 06 00 000 CO AA 80 AA 0080 CO AA	1931 2 STATUS = KERNEL_CALL (COPY_INFO, .DIR_ 1933 2 RETURN .STATUS; 1935 1 END; 007C 00 55 08 AA 9E 00 60 00BF CF DE 00 60 00BF CF DE 00 60 00BF CF DE 00 60 00 00BF CF DE 00 60 00 00BF CF DE 00 60 00 00BF CF DE 00 60 00BF CF	1928 2 ! the file; 2) the previous version of the file; 29 the previous version of the file; 20 the previous version of the previous version of the previous version of the file; 20 the previous version of the previous version of the file; 20 the previous version of the previous version of the previous version of the file; 20 the previous version of the file; 20 the previous version of the file; 20 the previous version of the previous version ve	1928 2 ! the file; 2) the previous version of the file is not at 1929 2 ! current process does not have access to the previous version of the file is not at 1930 2 ! these cases, propagate as a newly created file. 1931 2 STATUS = KERNEL_CALL (COPY_INFO, .DIR_FCB, .PRIMARY_FCB, 1935 2 End of RETURN .STATUS; 1936 1 END;	STATUS	1928 2 ! the file; 2) the previous version of the file is not accessable; or 3) the 1920 2 ! these cases does not have access to the previous version. In any of 1930 2 ! these cases, propagate as a newly created file. 1931 2 STATUS = KERNEL_CALL (COPY_INFO, .DIR_FCB, .PRIMARY_FCB, .FIB, 1); 1932 3 RETURN .STATUS; 1935 1 END; ! End of routine PROPAGATE_ATTR

CREATE VO4-001						6-Sep-	1984 00:00 1984 12:30	6:06 VAX-11 Bliss-32 V4.0-742 0:13 DISK\$VMSMASTER:[F11X.SRC]CR	Page 27
		0000G	CF		00 FB 0008 65 DD 0009 04 C1 0009		CALLS	#0 RESTORE_CONTEXT	: 1917 : 1918
	7E	10 0000G	AA CF		04 C1 0009		ADDL3	#4. 16(BASE), -(SP)	; 1916
		0000G 80	CF AA	co	02 FB 0009 29 11 0009 00 FB 000A AA DO 000A	48:	PUSHL ADDL3 CALLS BRB CALLS MOVL	#2, READ_HEADER 6\$ #0, RESTORE_CONTEXT -64(BASE), =128(BASE) (R5)	1919 1922 1923 1924
	7E	10 0000G	AA CF		04 C1 000AI 02 FB 000B		MOVL PUSHL ADDL3 CALLS PUSHL PUSHL PUSHL PUSHL CALLS	(R5) W4, 16(BASE), -(SP) W2, READ_HEADER	
				04	01 DD 000B AC DD 000B 65 DD 000B		PUSHL	#1 FIB (R5)	1932
		0000v	CE	0000	04 FB 000C		PUSHL	208(BASE) #4, COPY INFO RO, STATUS	
			53		50 DO 000C 53 DO 000C 04 000C	68:	MOVL MOVL RET	RO. STATUS STATUS, RO	1934
					7E D4 0000	7\$:	.WORD	Save nothing -(SP)	1934 1936 1865
		0000V	7E CF	04	5E DD 000D0 AC 7D 000D0 03 FB 0C0D0 04 000D0		PUSHL MOVQ CALLS	SP 4(AP), -(SP) #3, PROPAGATE_HANDLER	

; Routine Size: 222 bytes,

Routine Base: \$CODE\$ + 058F

.

```
CREATE
VO4-001
                                                                                                                         VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [F11X.SRC]CREATE.B32;2
                                 ROUTINE PROPAGATE_HANDLER (SIGNAL, MECHANISM) =
    950
951
953
953
954
955
956
961
963
                      1938
1939
1940
1941
1943
1944
1945
1945
1955
1956
1965
1965
1965
1965
                                    FUNCTIONAL DESCRIPTION:
                                            This routine is the condition handler for the file attribute
                                            propagation. It unwinds and returns a value of zero to
                                            indicate a failure.
                                    CALLING SEQUENCE:
                                            PROPAGATE_HANDLER (ARG1, ARG2)
                                    INPUT PARAMETERS:
                                            ARG1: address of the signal array ARG2: address of the mechanism array
    967
                                    IMPLICIT INPUTS:
                                            none
                                    OUTPUT PARAMETERS:
                                            none
                                    IMPLICIT OUTPUTS:
                                            Value of the routine that caused the exception is returned as zero.
                                    ROUTINE VALUE:
                                            SS$_RESIGNAL or none
                      1966
1967
1968
1969
1970
                                    SIDE EFFECTS:
    980
                                            none
    981
                                 BEGIN
                      1972
1973
1974
1975
1976
                                 MAP
    986
                                            SIGNAL
                                                                  : REF BBLOCK,
                                                                                                      Signal argument array
                                            ME CHANISM
                                                                  : REF BBLOCK:
    988
                                                                                                      Mechanism argument array
    989
    990
991
992
993
994
995
                                   If the condition is change mode to user (ERR_EXIT) set the saved value of RO to zero (indicating a failure) and unwind to the PROPAGATE_ATTR
                      1978
                      1979
                                   routine.
                      1980
1981
                                 IF .SIGNAL[CHF$L_SIG_NAME] EQL SS$_CMODUSER
                      1982
                                 THEN
    996
997
998
999
                       1983
                       1984
                                      MECHANISMECHF$L_MCH_SAVRO] = 0:
$UNWIND (DEPADR = MECHANISMECHF$L_MCH_DEPTH),
                                                                                                    ! Note failure
                      1985
                      1986
                                                   NEWPC = 0):
   1000
                      1987
                                       END:
                      1988
   1001
   1002
                      1989
                                 RETURN SS$_RESIGNAL;
                                                                                                   ! Ignored when unwinding
   1003
                      1990
   1004
                                 END:
                                                                                                   ! End of routine PROPAGATE_HANDLER
```

B 2 16-Sep-1984 00:06:06 VAX-11 Bliss-32 V4.0-742 Page 29 14-Sep-1984 12:30:13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2 (4)

.EXTRN SYSSUNWIND

			0	0000	00000	PROPA	GATE HANDL	ER:		
00000424	50 8F	04	AC AO	D0 D1 12 D0	00000		MORD MOVL CMPL	Save nothing SIGNAL, RO 4(RO), #1060		1937 1981
	50	08	AC	00	00010		MOVL	1\$ MECHANISM, RO 12(RO)		1984
7E 08 08 0000000G	AC 00 50		A0 7E 08 02 8F	D4	D4 00017 C1 00019 FB 0001E		BNEQ MOVL CLRL CLRL ADDL3	-(SP) #8, MECHANISM, -(SP) #2, SYS\$UNWIND #2328, RO	-(SP)	1986
00000000	50	0918	8F		00025 0002A	1\$:	CALLS MOVZWL RET	#2328, RO		1989 1991

; Routine Size: 43 bytes, Routine Base: \$CODE\$ + 066D

:

```
C 2
16-Sep-1984 00.06:06
14-Sep-1984 12:30:13
                                                                                                            VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [F11X.SRC]CREATE.B32;2
ROUTINE COPY_INFO (OLD_FILE_FCB, NEW_FILE_FCB, FIB, NEW_FILE) : L_NORM =
             This routine actually copies the propagated information. This routine must be called in kernel mode. The propagation takes
             place according to the following rules:
                          - For a newly created file, the file takes the UIC of the creator unless the creator has resource rights to the owner of the directory. In which case, the UIC of the directory owner is used. For a new version of an existing file, the UIC of the creator is used if the
                              creator does not have resource rightss to either the
                              old version owner or the directory owner. If the creator has resource rights to the old version owner, that UIC is used. If not, and the creator has resource
                              rights to the directory owner, the directory owner UIC is used.
             Protection - For a newly created file, the protection is taken from
                              the directory default protection ACE, if it exists. If it does not exist, the process default protection is used. For a new version of an existing file, the protection is
                              taken from the old version of the file.
                          - For a newly created file, the ACL is taken from the directory default ACL. If no directory default ACL
                             exists, no ACL is propagated. For a new version of an existing file, the ACL is taken from the old version of the file.
             COPY_INFO (ARG1, ARG2, ARG3, ARG4)
             ARG1: address of the old file's FCB (if one)
             ARG2: address of the new file's FCB
             ARG4: 1 if defaults for a new file
                       O if defaults for a new version of an existing file
             DIR_FCB: address of parent directory FCB
```

```
CR
VO
```

```
CREATE
V04-001
                                                                                                          16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                                                 VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
  1063
1064
1065
                                                     The ACL building routine is called to update the new file's file
                                                     headers with the copied ACL.
   1066
1067
1068
1069
                          BEGIN
                                       MAP
   1071
                                                    OLD_FILE_FCB
NEW_FILE_FCB
                                                                               : REF BBLOCK.
                                                                                                                          Address of old file's FCB Address of new file's FCB
   1072
                                                                               : REF BBLOCK:
                                                                                                                          Address of the FIB
   1074
1075
1076
1077
                                       LINKAGE
                                                                              = JSB (REGISTER = 2, REGISTER = 4;
REGISTER = 1, REGISTER = 5),
                                                     L_SEARCH_RIGHT
   1078
                                                                               = JSB (REGISTER = 3. REGISTER = 5.
REGISTER = 6. REGISTER = 1;
REGISTER = 1);
                                                     L FINDACL
   1080
1081
1082
1083
                                       LOCAL
                                                                                                                          PCB address of I/O packet owner
Access rights block address
Identifier being sought
Rights list descr addr
Addr of ID found
   1084
1085
1086
1087
1088
1089
1091
1092
1093
                                                     PCB
                                                                               : REF BBLOCK,
                                                                               : REF BBLOCK.
                                                     ARB
                                                    IDENTIFIER,
RIGHTS DESC,
ID FOUND
                                                                               : REF BBLOCK,
                                                    RIGHTS SEG : REF BBLOCK,
ACE_ADDRESS : REF BBLOCK,
OLD_ACL_SEGMENT : REF BBLOCK,
NEW_ACL_SEGMENT : REF BBLOCK;
                                                                                                                          Addr of rights segment
Pointer to default protection ACE
                                                                                                                          Address of old ACL segment
Address of new ACL segment
   1094
1095
                                       EXTERNAL
                                                     SCH$GL_PCBVEC
                                                                             : REF VECTOR ADDRESSING_MODE (ABSOLUTE);
                                                                                                                                                              ! PCB vector
   1096
1097
                                       BIND_COMMON:
   1098
   1099
                                       EXTERNAL ROUTINE
                                                                                            : L_SEARCH_RIGHT ADDRESSING_MODE (GENERAL),
! Seach for specified ID
  1100
1101
1102
1103
1104
1105
1106
1107
1108
1109
1110
                                                     EXESSEARCH_RIGHT
                                                                               : L_FINDACL ADDRESSING_MODE (GENERAL).
                                                     EXESFINDACL
                                                                                                                                                 ! Locate an ACE
                                                    ACL_INIT QUEUE
                                                                              : ADDRESSING_MODE (GENERAL),
                                                                                                                                    ! Initialize ACL queue
                                                                                                                          Routine to propagate desired ACEs Change file owner UIC
                                                                               : L_NORM,
: L_NORM;
                                                     CHANGE_OWNER
                                       ENABLE PROPAGATE_HANDLER;
                                       ! Initialize some necessary pointers.
                                       PCB = .SCH$GL PCBVEC[.(IO PACKET[IRP$L_PID])<0,16>];
ARB = .IO PACKET[IRP$L ARB];
RIGHTS_DESC = ARB[ARB$[_RIGHTSLIST];
   1112
1113
1114
1115
                                        ! If is a new file, propagate the information from the parent directory ! or the creator of the file as necessary.
                                       IF .I
   1118
                                            . NEW_FILE
   1119
```

RETORN ATL_COPYACL T.OLD_FILE_FCB, .NEW_FILE_FCB, 2)

CREATE VO4-001

70

70

71

71

2163 3 2164 2 ELSE RETURN 1; 2165 2 F 2 16-Sep-1984 00:06:06 VAX-11 Bliss-32 V4.0-742 Page 33 14-Sep-1984 12:30:13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2 (5)

! End of routine COPY_INFO

.EXTRN EXESSEARCH_RIGHT .EXTRN EXESFINDACE, ACL_COPYACL .EXTRN CHANGE_OWNER

				0	BFC	00000	COPY_IN	FO:	Cause D3 D7 D/ D5 D4 D7 D8 D0 D11	1002
			58 57 54	000000 CF 00000000 00 0000 CA 011F CF 000000000 9F	9E 9E DE	00002 00007 0000E		MOVAB MOVAB MOVAB MOVAL	Save R2,R3,R4,R5,R6,R7,R8,R9,R11 CHANGE OWNER, R8 ACL INIT QUEUE, R7 208(BASE), R4 13\$, (FP) a#SCH\$GL_PCBVEC, R1	2081
			6D 51 50 50	000000000 9F 90 AA 0C 60	00	00002 00007 0000E 00013 00018 0001F 00023 00026 00029		MOVAL MOVL ADDL2 MOVZWL	anschsgl PCBVEC, R1 -112(BASE), R0 w12, R0	2097
			500 500 500 500 500 500 500	90 AA	3C DO DO	00029 0002D 00031		MOVL	#12, R0 (R0), R0 (R1)[R0], PCB -112(BASE), R0 88(R0), ARB #32, RIGHTS DESC NEW_FILE, 2\$ 9\$	2098
			50 03	10 AC	CO E8 31	00035	4.0	MOYL ADDL2 BLBS BRW	#32, RIGHTS DESC NEW_FILE, 2\$	2099
			50	00A5 64 F8	DO 13	0003F	1\$: 2\$:	MOVL BEQL	(R4), R0 1\$	2107
				7E	D4 DD	00044		CLRL PUSHL PUSHL CALLS	-(02)-	2110
		70	68 50 A0 50	08 AC 58 AO 03 08 AC 0114 C2 64	FB DO BO	00031 00035 00038 0003C 0003F 00042 00044 00046 00049 00045 00053 00059 00061 00064		MOVE	NEW FILE_FCB 88 (RO) #3, CHANGE_OWNER NEW FILE_FCB, RO 276(PCB), 112(RO) (R4), RO #1, 99(RO), 3\$	2111
	03	63	50 A0		EO	00059 0005C		860141	(R4), R0 #1, 99(R0), 3\$	2112
	50		52 64 50	00000080 00CE 00000080 8F 52	DO E 1 DO C 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1	00064 00069 00071	38: 48:	MOVL ADDL3 CMPL BEQL	128(RO), OLD_ACL_SEGMENT #128, (R4), RO OLD_ACL_SEGMENT, RO	2115
			56 55 55 53	00 A2	04 9E 3C	00071 00076 00078 0007C 00080 00086 0008C 0008F 00093		CLRL MOVAB MOVZWL SUBL 2 MOVL JSB BLBC	ACE_ADDRESS 12(OLD_ACL_SEGMENT), R6 8(OLD_ACL_SEGMENT), R5 #12, R5 #9, R3 EXESFINDACL	2119 2122 2121
			53	00 A2 08 A2 00 09 000000006 00 50	9E 5C C2 D0 16	00083		MOAF MOAF	#12, NO #9, R3 EXESFINDACL	2122
AO	04		2E 50	08 AC 08 A1	E9 D0 F0	0008C 0008F		BLBC MOVL INSV	EXESFINDACL RO, 5\$ NEW FILE FCB, RO 8(ACE ADDRESS), WO, W4, 112(RO) NEW FILE FCB, RO 12(ACE ADDRESS), W4, W4, 112(RO) NEW FILE FCB, RO 16(ACE ADDRESS), WO, W4, 113(RO) NEW FILE FCB, RO 20(ACE_ADDRESS), W4, W4, 113(RO)	2126
AO	04		50	08 AC	DO	0009A 0009E		MOVL	NEW FILE FCB, RO 12 (ACE ADDRESS), #4, #4, 112 (RO)	2127
AO	04		04 50 50 50	08 AC 08 A1 08 AC 0C A1 08 AC 10 A1 08 AC	DO FO	000A5		MOVL	NEW FILE FCB, RO 16 (ACE_ADDRESS), #0, #4, 113(RO)	2128
AO	04		50 04	08 AC	FO	000B0 000B4		MOVL	NEW FICE FCB, RO 20(ACE_ADDRESS), #4, #4, 113(RO)	2129

					16:	-Sep-	1984 00:06 1984 12:30	0:06 VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32	Page 34:2 (5)
		52		05 62	11 000BB 00 000BD 11 000C0 C1 000C2	58:	BRB MOVL BRB	6\$ (OLD_ACL_SEGMENT), OLD_ACL_SEGMENT 4\$	2125 2132
7E	80	AC	00000058	8F	C1 000C2 (6\$:	ADDL3 CALLS	#88. NEW_FILE_FCB(SP) #1. ACL_INIT_QUEUE FIB. RO	2116
04	38	67 50 A0	ОС	06A80A0000A647AAA05607A6A0AAA0800A0	C1 000C2 FB 000CB D0 000CE E1 000D2 DD 000D7 11 000D9		MOVL BBC PUSHL	FIB, RO #2, 56(RO), 7\$ #2 8\$	2135
			08	01 AC 64	DD OOODB	7\$: 8\$:	BRB PUSHL PUSHL PUSHL	NEW_FILE_FCB	
		50	08 04 58	7E AC AC	DD 000E6 DO 000E9	98:	BRB CLRL PUSHL MOVL PUSHL CALLS BLBS TSTL BEGL CLRL PUSHL	11\$ -(SP) NEW_FILE_FCB OLD_FILE_FCB, RO 88(RO) #3, CHANGE_OWNER	2148
		68 12	58	03 50 64	DD 000ED FB 000F0 E8 000F3 D5 000F6 13 000F8		CALLS BLBS TSTL	(R4)	2149
		50	08	OE 7E AC	D4 000FA		BEQL CLRL PUSHL	10\$ -(SP)	2150
		68	58	A0 03	DD 000FC DO 000FF DD 00102 FB 00105 7D 00108		MOVL PUSHL CALLS	NEW_FILE_FCB (R4), R0 88(R0) #3, CHANGE_DWNER	
	70	50 A1 50	04 70 04	AC	7D 00108 1 B0 0010C	105:	MOVW	112(R0), 112(R1)	2154
18	63	50 A0		AC 01	DO 00111 E1 00115		MOVL	#1. 99(R0). 125	2158
18 7E	63 08	AC 67	00000058	8F	C1 0011A		ADDL3	#88, NEW_FILE_FCB, -(SP) #1, ACL_INIT_QUEUE #2	2161
	0000G	7E CF	04	02 AC	B0 0010C D0 00111 E1 00115 C1 0011A FB 00123 DD 00126 7D 00128 FB 0012C 04 00131	115:	CALLS PUSHL MOVQ CALLS RET MOVL	OLD_FILE_FCB, -(SP)	2162
	00000	50		01	04 00131		RET	#3, ACL_COPYACL	2164
		30		75	04 00135	12\$: 13\$:	WORD	#1, R0 Save nothing	2166 2081
	FE90	7E CF	04	7E 5E AC 03	D4 00138 DD 0013A 7D 0013C FB 00140 04 00145		CLRL PUSHL MOVQ CALLS RET	-(SP) SP 4(AP), -(SP) #3. PROPAGATE_HANDLER	

; Routine Size: 326 bytes. Routine Base: \$CODE\$ + 0698

: 1181 2167 1 : 1182 2168 1 END : 1183 2169 0 ELUDOM

File Total Loaded Percent Mapped Time

\$255\$DUA28:[SYSLIB]LIB.L32;1 18619 140 0 1000 00:01.9

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: CREATE/OBJ=OBJ\$: CREATE MSRC\$: CREATE/UPDATE=(ENH\$: CREATE)

; Size: 2014 code + 0 data bytes; Run Time: 01:09.9; Elapsed Time: 02:20.0; Lines/CPU Min: 1862; Lexemes/CPU-Min: 37116; Memory Used: 549 pages; Compilation Complete

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